

XX New fusion protein tumour necrosis factor and human interleukin-1
 PT receptor - useful in therapy, diagnosis and assays of e.g.
 PL rheumatoid arthritis, diabetes, cerebral malaria, sepsis, etc.
 XX Disclosure: Page 57-59; 85pp; English.
 XX The sequences given in AAK42058-59 represent human tumour necrosis
 CC factor receptor (TNF-R) and the sequences in AAK42059-61 represent
 CC human interleukin-1 receptor (IL-1R). These sequences were used in
 CC the production of a fusion protein which conformed to one of the
 CC formulae:
 CC TNF-R-linker-TNF-R-linker-IL 1R
 CC IL-1R-linker-TNF-R-linker-TNF-R or
 CC TNF-R-linker-TNF-R
 CC The linker may comprise 5-100 amino acids selected from Gly, Asp,
 CC Ser, Thr and Ala. These linkers separate the individual moieties
 CC by such a distance that each component of the fusion protein is
 CC capable of folding into the secondary or tertiary structure required
 CC for its biological activity. These fusion proteins may be used in
 CC therapy, diagnosis and assays for conditions mediated by TNF or IL-1,
 CC particularly in conditions in which both TNF and IL-1 play a causative
 CC role. They may be used to treat cachexia, rheumatoid arthritis,
 CC diabetes, multiple sclerosis, pulmonary fibrosis and silicosis,
 CC cerebral malaria, allograft and xenograft rejection in graft versus
 CC host disease, sepsis, septic shock, inflammation, allergies and
 CC autoimmune dysfunction.
 XX
 XX Sequence 455 AA;

alignment_scores:
 Quality: 2497.00 Length: 455
 Ratio: 5.466 Gaps: 0
 Percent Similarity: 100.000 Percent Identity: 100.000

alignment block:
 US-09-525-998a-1 x AAK42059

Align seq 1/1 to: AAK42059 from: 1 to: 455

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seq_name: 250-525-998a-1.rag; seq_type: us-09-525-998a-1; AAY30944

seq_documentation_block:

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ID AAY30944 standard; Protein: 455 AA.
XX AAY30944:
XX 18-02-1999 (first entry)
XX Human tumour necrosis factor binding protein.
DE Tumour necrosis factor binding protein; TNF insoluble protein; agonist;
KW anti-inflammatory; antimalarial; treatment; septic shock; inflammation;
KW autoimmune glomerulonephritis; cerebral malaria; immune response;
KW antacidist; diabetes.
XX Homo sapiens.
XX Key location/Qualifiers
XX Peptide 1-29
XX /label= signal_peptide
XX Protein 40-455
XX Modified-site 44 "hypothetical glycosylation site"
XX Modified-site 125 "hypothetical glycosylation site"
XX Modified-site 141 "hypothetical glycosylation site"
XX Modified-site 146 "hypothetical glycosylation site"
XX Region 217-250
XX Modified-site 250 "transmembrane region"
XX Modified-site 250 "hypothetical glycosylation site"
XX EP930121-A2.
XX 01-SEP-1999.
XX 31-AUG-1990; 500P 0116707.
XX 20-APR 1996; 500P 0001347.
XX 12-SEP-1996; 500P 0003319.
XX 08-MAR 1990; 500P 0000740.
XX (HCF) HELMANN LA ROCHE & CO AG F.
XX Brockhaus M, Lemke Z, Gentz E, Lesslauer W, Loetscher H,
XX Schlaefer E.
XX WPI: 1999-480840/41.
XX N-PS98; AA:09170.
XX New insoluble proteins, and fragments, that bind to cancer necrosis
XX factor, used to treat e.g. septic shock or cerebral malaria.
XX Claim 4a: Fig 1; 25pp; German.
XX This invention describes novel homogeneous insoluble proteins (I),
XX their (ii) soluble fragments (Ia) and their salts that can bind tumour
XX necrosis factor (TNF). The products of the invention have
XX anti-inflammatory and antimalarial activity. (i) and (Ia) are used (i)
XX to treat diseases in which TNF is involved (e.g. septic shock, autoimmune
XX glomerulonephritis, cerebral malaria, immune responses and inflammation),
XX (ii) to purify TNF, (iii) to identify TNF (antagonists and (iv) for
XX diagnostic development of TNF in body fluids. Antibodies raised against
XX (I) are used for affinity purification of (I). This sequence represents
XX a tumour necrosis factor binding protein described in the method of
XX the invention.
XX Sequence 455 AA:

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alignment_scores:

Quality: 2487.09 Length: 455
 Ratio: 5.466 Gaps: 0
 Percent Similarity: 100.000 Percent Identity: 100.000


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201 TTGTTACATATATATATATATATATATATATATATATATATATATAT 250
67  LeuTyrAsnAspCysProGlyProGlyProGlyProGlyProGlyProG 84
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1301 TGGACATATATATATATATATATATATATATATATATATATATATAT 1350
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seq_name: US-09-525-998a-1.rag
seq_id: AAB01336
seq_documentation_block:
ID: AAB01336 standard; Protein: 455 AA.
XX
XX AAB01336:
XX
XX 25 SEP-2000 (first entry)
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XX TNF-R1 death receptor.
XX
XX UL14, death receptor, apoptosis, programmed cell death; FAS;
XX TNF-R1; TRAMP; DR-6; TRAIL; modulation; treatment; cancer; virus;
XX human.
XX
XX Homo sapiens.
XX
XX W0200034335-A2.
XX
XX 15-JUN-2000.
XX
XX 04-DEC-1999; 94W-0526035.
XX
XX 04-DEC-1998; 9403-0205018.
XX
XX (SCHE ) SCHERIN: CORP.
XX
XX Leong C. Phillips JB;
XX
XX W01-2000-42442746.
XX
XX Purified or recombinant polypeptide for modulation apoptosis comprises
XX PT a sequence which binds to an antibody specific for UL144 or its
XX PT fragments
XX
XX Disclosure, page 65-67, 76pp; English.
XX
XX A pure or recombinant polypeptide which binds to a polyclonal antibody
XX CC specific for the mature UL144 is useful for screening molecules which
XX CC

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AC AA20787;
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DI 11-MAY-1992 (first entry)
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TNF-alpha binding protein.
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KW Tumour necrosis factor alpha; autoimmune diseases; cachectin;
extracellular domain.
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PF 15-JUN-1990; 90CB-0013410.
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PI Feldman M, Gray P, Turner M, Brennan F;

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951 CTATCAGCGGCTGACGCCATGCTTGGCAGACAGCGCTGGCTGGCAGACCC 1000
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317 GlyGlnGlyAlaAspProTleuAlaThrAlaLeuAlaSerAspProI 334
|||||
1001 TCGCCAAAGCGCTTCAAAATGAAAGAAAGAGAGAGAGAGAGAGAGAGAG 1050
|||||
334 tCProAsnProLeuGlnLysTrpGluAspSerAlaHisLysProGlnSer 350
|||||
1051 CTACACATCTGACATCTGACATCTGACATCTGACATCTGACATCTGACAT 1100
|||||
351 LeuAspThrAspAspProAlaThrLeuTyrAlaValValGluAsnValPr 367
|||||
1101 CCGCTTGGCTGGAGAGAAATCGTGGCGGCGCTAGGCTGAGCGAGCAGCAG 1150
|||||
367 GlyProLeuArgTrpLysGluPheValArgArgLeuGlyLeuSerAspHisG 384
|||||
1151 AGATGATATGAGTCTAAAGTCTAAAGTCTAAAGTCTAAAGTCTAAAGTCT 1200
|||||
384 ttttLeuAspArgLeuGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGln 400
|||||
1201 TACACATATGCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAGTCTGAG 1250
|||||
401 TyrSerMetLeuAlaThrIcpArgArgArgThrProArgArgGluAlaTh 417
|||||
1251 GCTGAGCTGCTGGCAGCGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 1300
|||||
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417 rIeuGlnIeuLeuGlyArgValLeuArgAspMetAspLeuLeuGlyCysL 434
1301 TGGAGAGAATGAGAGAGAGATTTTGGAGAGAGAGAGAGAGAGAGAGAG 1350
|||||
434 euGluAspIleGluAlaLeuLeuCysGlyProAlaAlaLeuProProAla 450
1351 CCCAGTCTTCTCACA 1365
|||||
451 ProSerLeuLeuArg 455
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1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial matters. The text outlines various methods for organizing and storing data, including digital databases and physical filing systems. It also mentions the need for regular audits and reviews to ensure the integrity of the information.

2. The second section focuses on the role of communication in achieving organizational goals. It highlights the importance of clear and concise communication channels, both internally and externally. The text suggests implementing regular meetings and reports to keep all stakeholders informed and engaged. It also discusses the benefits of open communication in fostering a collaborative work environment and resolving conflicts effectively.

3. The third part of the document addresses the challenges of managing resources efficiently. It provides strategies for identifying and prioritizing tasks, ensuring that resources are allocated where they are most needed. The text also touches upon the importance of time management and the use of technology to streamline processes. It encourages a proactive approach to resource management, anticipating future needs and adjusting plans accordingly.

4. The final section discusses the importance of continuous learning and improvement. It suggests that organizations should regularly evaluate their performance and seek feedback from employees and customers. The text emphasizes the value of staying updated with industry trends and adopting new technologies and practices. It concludes by stating that a commitment to learning and growth is essential for long-term success and competitiveness.